

## ROUND HEAD FRAMING NAILER KIT MODEL G6050 INSTRUCTION MANUAL



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#### **ONLINE MANUAL DISCLAIMER**

THE INFORMATION IN THIS MANUAL REPRESENTS THE CONFIGURATION OF THE MACHINE AS IT IS CUR-RENTLY BEING SHIPPED. THE MACHINE CONFIGURATION CAN CHANGE AS PRODUCT IMPROVEMENTS ARE INCORPORATED. IF YOU OWN AN EARLIER VERSION OF THE MACHINE, THIS MANUAL MAY NOT EXACTLY DEPICT YOUR MACHINE . CONTACT CUSTOMER SERVICE IF YOU HAVE ANY QUESTIONS ABOUT DIFFERENCES. PREVIOUS VERSIONS ARE NOT AVAILABLE ONLINE.

## SAFETY

## WARNING

### For Your Own Safety Read Instruction Manual Before Operating This Equipment

The purpose of safety symbols is to attract your attention to possible hazardous conditions. This manual uses a series of symbols and signal words which are intended to convey the level of importance of the safety messages. The progression of symbols is described below. Remember that safety messages by themselves do not eliminate danger and are not a substitute for proper accident prevention measures.

**IDANGER** Indicates an imminently hazardous situation which, if not avoided, <u>WILL</u> result in death or serious injury.

**AWARNING** Indicates a potentially hazardous situation which, if not avoided, <u>COULD</u> result in death or serious injury.

Indicates a potentially hazardous situation which, if not avoided,  $\underline{MAY}$  result in minor or moderate injury. It may also be used to alert against unsafe practices.

**NOTICE** This symbol is used to alert the user to useful information about proper operation of the equipment.

### **AWARNING** Safety Instructions For Pneumatic Tools

- 1. KEEP ALL SAFETY DEVICES IN PLACE and in working order.
- 2. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from tool before operation.
- 3. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.
- DO NOT USE IN DANGEROUS ENVIRONMENT. Do not use pneumatic tools in damp or wet locations, or where any flammable or noxious fumes may exist. Keep work area well lighted.

- 5. KEEP CHILDREN AND VISITORS AWAY. All children and visitors should be kept at a safe distance from work area.
- MAKE WORKSHOP CHILD PROOF with padlocks, master switches, or by removing air hoses from tools.
- DO NOT FORCE TOOL. It will do the job better and safer at the rate for which it was designed.
- 8. USE THE RIGHT TOOL. Do not force tool or attachment to do a job for which it was not designed.
- 9. DO NOT USE UNDER THE INFLU-ENCE OF DRUGS OR ALCOHOL.

### **AWARNING** Safety Instructions For Pneumatic Tools

- **10. USE PROPER AIR HOSE** for the tool. Make sure your air hose is in good condition and is long enough to reach your work without stretching.
- 11. WEAR PROPER APPAREL. Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Non-slip footwear is recommended. Wear a protective hair covering to contain long hair.
- 12. ALWAYS USE SAFETY GLASSES. Also use a face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
- 13. WEAR APPROVED HEARING PROTECTION.
- 14. SECURE WORK. Use clamps or a vise to hold work when practical. It is safer than using your hand and frees both hands to operate tool.
- **15. DO NOT OVERREACH.** Keep proper footing and balance at all times.
- 16. MAINTAIN TOOLS WITH CARE. Keep tools lubricated and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 17. REDUCE THE RISK OF UNINTEN-TIONAL STARTING. Do not carry tool with hand on trigger and always disconnect from air when not in use.

- **18. DISCONNECT TOOLS** before servicing and changing accessories.
- 19. USE THE RECOMMENDED ACCESSORIES. Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury.
- 20. CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
- 21. NEVER LEAVE UNATTENDED TOOL CONNECTED TO AIR. Disconnect the air hose and do not leave tool until it is relieved of any built up pressure.
- 22. NEVER ALLOW UNTRAINED USERS TO USE THIS TOOL WHILE UNSUPERVISED.
- 23. IF YOU ARE UNSURE OF THE INTENDED OPERATION, STOP USING THE TOOL. Seek formal training or research books or magazines that specialize in pneumatic tools.

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### **Basic Nailer Safety**

In addition to the rules stated in the previous section, and those in the warning boxes throughout this manual, please observe the following safety tips for your new nailer:

- 1. READ THIS ENTIRE MANUAL BEFORE OPERATING THE NAIL-ER.
- 2. ALWAYS DISCONNECT AIR FROM THE NAILER whenever servicing or installing nails. During maintenance, a nailer connected to air may fire accidentally, causing serious personal injury.
- 3. DO NOT PLACE HANDS NEAR NAIL POINT OF ENTRY. Nail can deflect and be driven through the surface of the workpiece, puncturing your hand or fingers.
- 4. NEVER CONNECT THE NAILER TO PRESSURIZED OXYGEN OR OTHER COMBUSTIBLE GASES as a power source. Only use filtered, lubricated, and regulated compressed air.
- 5. ALWAYS KEEP ANY BYSTANDERS BEHIND NAILER OR AWAY FROM AREA DURING USE. Nails may be driven completely though wood and could become dangerous projectiles.
- 6. DO NOT CARRY THE NAILER BY ANY OTHER PART THAN THE HANDLE, and do not carry the nailer by the air hose.
- 7. DO NOT KEEP THE TRIGGER PULLED ON THE SAFETY YOKE MECHANISM WHEN CARRYING OR HOLDING THE TOOL.
- DO NOT USE A CHECK VALVE OR ANY OTHER FITTING that allows air to remain in the tool.



Operating this nailer can propel objects into the air, causing immediate eye damage. To protect yourself, always wear American National Standards Institute (ANSI) approved safety glasses or goggles when operating this equipment. In addition, this nailer discharges at 85-90 decibels. To protect your hearing, always wear ANSI approved ear protection when operating this nailer.



Never point this nailer at yourself or another person! Always pay attention to the direction this nailer is pointed. Use this tool with respect and caution to lessen the possibility of operator or bystander injury. Ignoring this warning may result in serious personal injury.

G6050 Round Head Framing Nailer Kit

#### Commentary

We are proud to offer the Grizzly Model G6050 Round Head Framing Nailer. This model is part of a growing Grizzly family of fine power tools. When used according to the guidelines set forth in this manual, you can expect years of trouble-free, enjoyable operation and proof of Grizzly's commitment to customer satisfaction.

The Model G6050 features a  $360^{\circ}$  adjustable exhaust, a quick release nose clamp, a convenient side-loading magazine, a safety trigger and a durable plastic carrying case. The Model G6050 shoots standard .113-.162 diameter shank round head nails 2"-31/2" in length and accepts up to 50 nails at a time. At 7.5 lbs., this model is very light for its size.

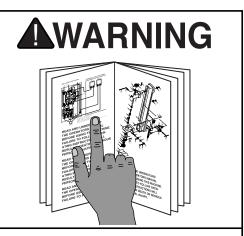
We are pleased to provide this manual with the Model G6050. It was written to encourage safety considerations and guide you through general operating procedures and maintenance. This manual represents our effort to produce the best documentation possible.

The specifications, details, and photographs in this manual represent the Model G6050 as supplied when the manual was prepared. However, owing to Grizzly's policy of continuous improvement, changes may be made at any time with no obligation on the part of Grizzly. If you have any comments regarding this manual, please write to us at the address below:

> Grizzly Industrial, Inc. <sup>c</sup>/o Technical Documentation P.O. Box 2069 Bellingham, WA 98227-2069

Most important, we stand behind our tools. If you have any service questions or parts requests, please call or write us at the location listed below.

> Grizzly Industrial, Inc. 1203 Lycoming Mall Circle Muncy, PA 17756 Phone: (570) 546-9663 Fax: (800) 438-5901 E-Mail: techsupport@grizzly.com Web Site: http://www.grizzly.com



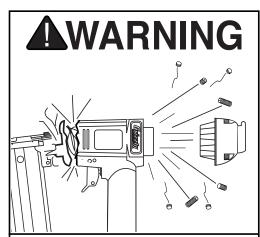
Read the manual before assembly and operation. Become familiar with this tool, its safety instructions, and its operation before beginning any work. Serious personal injury may result if safety or operational information is not understood or followed.

#### **Compressed Air System**

The Model G6050 is designed to be operated at 80-120 psi. **Do not exceed the maximum operating pressure!** 

Before you use your new nailer, regulate the air pressure on your air compressor to barely over the minimum psi for your nailer. Increase air pressure only if needed.

Many pneumatic tools benefit from an inline filter/lubricator/regulator unit. This attachment is connected by hoses between the air compressor and the nailer. Using this unit protects your tool from damaging water build-up, allows you to adjust and maintain constant air pressure to your tool, and saves you the inconvenience of having to manually lubricate your tool every time you use it. Check the current Grizzly catalog for availability of this unit. If you plan on installing a filter/lubricator/regulator unit in your compressed air system, always follow the connection instructions that come with the unit.



Exceeding the maximum permissible operating pressure may cause the nailer to explode, blowing metal fragments in all directions. To protect yourself from serious personal injury, DO NOT allow your air compressor to exceed the recommended pressure when connected to this nailer!

#### Safety Yoke Mechanism

A safety yoke mechanism (bump fire) on the nose of the nailer acts as a safety device. When the trigger is pressed, the nailer will not fire until the safety yoke mechanism is depressed.

Before you use your nailer for the first time, check the safety yoke mechanism to ensure proper function. To do this:

- 1. Make sure the nailer is disconnected from the air supply!
- 2. Make sure the magazine is empty and contains no nails.
- **3.** Make sure the trigger and the safety yoke mechanism move up and down without sticking.
- 4. Connect the nailer to the air supply.
- 5. Without pressing the trigger, depress the safety yoke mechanism against a scrap piece of wood that is clean and free of any knots, nails, or other foreign objects. If the nailer does not fire, then the safety yoke mechanism is working correctly. If the nailer **does fire** when you do this, immediately disconnect the nailer from the air supply and call our customer service for help.

Similarly if the nailer fires when the trigger is pulled, **without the safety yoke mechanism being depressed**, then the nailer is not working properly.

If either of these two conditions develop after you have used your nailer for a period of time, check the lubrication of these mechanisms.

# **WARNING**

The safety yoke is a mechanical device that can fail. Never rely on the safety yoke mechanism as an excuse to point the nailer at yourself or any bystanders. Serious injury may occur.

#### **Loading Nailer**

To load your nailer:

- 1. Disconnect the air supply from the nailer!
- 2. Pull the magazine pusher all the way back until it locks in place.
- Place a stick of nails into the magazine as shown in Figure 1. Make sure the pointed ends of the nails are facing down.

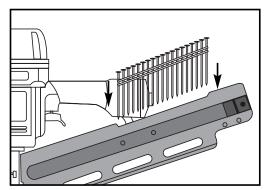


Figure 1. Loading the nailer.

- **3.** Slide the stick of nails all the way down to the nose of the nailer.
- 4. Pull the magazine pusher all the way back, release the catch pin, then let it come forward until it rests against the nail stick.

When replacing nails for your Model G6050, follow these guidelines:

Diameter: .113" - .162" Length: 2"-3<sup>1</sup>/<sub>2</sub>" Capacity: 50 Nails

#### Single/Bump Fire Mode

The Model G6050 is equipped with a single/bump fire trigger.

To select single or bump fire operation:

- 1. Disconnect the air supply from the nailer!
- 2. Locate the hex nut that secures the safety yoke mechanism to the trigger housing. See Figure 2.
- **3.** To select **Single Fire** mode, tighten the hex nut completely.
- 4. To select **Bump Fire** mode, unthread the hex nut at least two full turns.

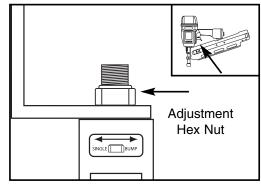


Figure 2. Single/bump fire adjustment.

#### **Operating Nailer**

If you have not read the safety instructions in this manual, do not operate the nailer.

Periodically, place one drop of the included oil into the quick connect fitting where the nailer connects to the air supply. After oiling, wipe off any excess oil near the nailer exhaust to avoid dust build-up.

To operate your nailer:

- 1. Connect the air supply to the quick connect fitting.
- 2. Test the loaded nailer for proper penetration. Hold the nailer perpendicular to the surface of a piece of clean scrap wood that is thick enough for the length of nails you have loaded. Depress the safety yoke mechanism on your workpiece.
- **3.** Before pressing the trigger, make sure your free hand is positioned out of the way of a potential path of a nail in case of deflection. (Deflection is caused when the nail changes its path, resulting in the nail puncturing the surface of the workpiece as shown in **Figure 3**.)

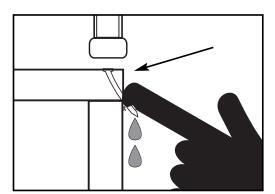


Figure 3. Example of nail deflection.

Besides damaging your workpiece, deflection can cause injury if your free hand is securing the workpiece in the location that the nail deflects.

4. Press the trigger. If the nail drove into the wood far enough, continue with your intended operations. If the nail either went too far or not far enough, adjust the depth.

#### **Adjusting Depth**

The nose of the gun houses a cap screw with a stepped slide plate (illustrated in **Figure 4**) for setting the depth that the nailer drives nails into the workpiece.

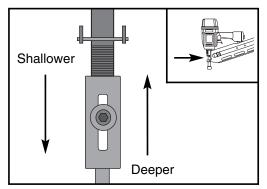
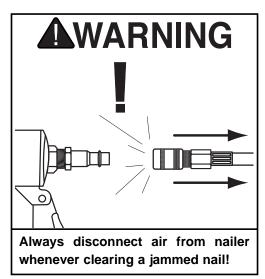


Figure 4. Depth adjustment slide located on nailer nose guide.

#### **Clearing Jammed Nails**

The most frequent situation with any type of nailer is a nail jam. A jammed nail must be cleared before using the nailer again. The two places where a nail can get jammed are the magazine and the discharge area.



To clear a jammed nail from the magazine:

- 1. Disconnect the nailer from the air supply!
- 2. Pull the magazine pusher all the way back until it locks in place.
- Locate and remove the jammed nail with a pair of needle nose pliers. Close the magazine cover so it latches.

To clear a jammed nail from the discharge area with the Model G6050:

- 1. Disconnect the nailer from the air supply!
- 2. Pull the magazine pusher all the way back until it locks in place.
- 3. Remove all nails from the magazine.
- **4.** Locate the nail inside of the nailer nose.
- 5. Find a tool that will fit inside the slot on the underside of the nose and dislodge the nail.
- 6. Throw the damaged nail away and insert a new nail stick that only contains clean, undamaged nails. DO NOT use dirty or damaged nails in your nailer!

#### **Oiling Nailer**

The Model G6050 is considered an oil-less model. This means it features a teflon piston ring that does not require oil to operate. However, periodic applications of oil will extend the useful life of the piston assembly.

Special oil has been included with you new Grizzly Nailer. Periodically place one drop of oil in the nailer air inlet (as shown in **Figure 6**). After oiling, wipe off any excess oil near the nailer exhaust to avoid dust build-up. When the oil that was included with the nailer has been completely used, replace with Grizzly Model G2820 Pneumatic Tool Oil.

Another option to manual oiling would be to install a lubricator in your air compressor line. If your air compressor line already has a lubricator, then regular lubrication of your nailer will not be necessary. Just make sure there is always oil in the lubricator.

As mentioned before, the best option is to install a filter/lubricator/regulator unit such as the Grizzly Model H2333 in your air line.

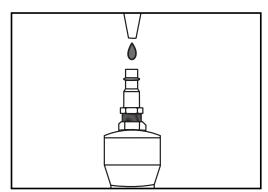


Figure 6. Lubricating nailer via air inlet.



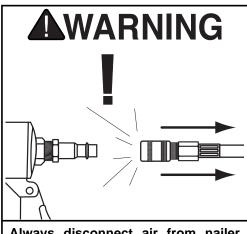
#### **Cleaning Nailer**

Use a good solvent to clean the nose assembly of the nailer. Always be sure that the nailer is dry before using it again.

Do not allow dust, chips, sand, etc. into the air connectors or into the body of the nailer; this may result in leaks and damage to the nailer and the air fittings.



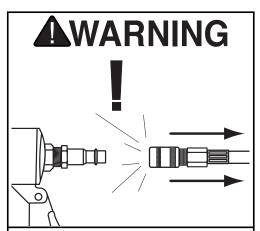
Never use gasoline or other flammable liquids to clean this tool. Vapors in the tool may ignite, causing the tool to explode. Ignoring this warning may lead to serious personal injury or even death!



Always disconnect air from nailer whenever servicing! During maintenance, a nailer connected to air may fire accidentally, causing serious personal injury!

#### **Replacing Pistons/O-Rings**

If you use your nailer day in and day out, Grizzly offers repair pistons as cheap insurance against wasted down time and lost profits in the event that a piston or piston shaft becomes worn out. To replace a piston:



Always disconnect air from nailer whenever servicing! During maintenance, a nailer connected to air may fire accidentally, causing serious personal injury!

- 1. Disconnect the nailer from the air supply!
- 2. Remove all nails from the magazine cartridge.
- **3.** Remove the 4 cap screws from the nailer exhaust cap.
- 4. Remove the exhaust cap as shown in Figure 7.
- 5. The top of the piston should now be visible inside the cylinder, which is housed in the head of the nailer.
- 6. Open the magazine.
- 7. Watch the discharge area and push the top of the piston with your finger. You will see the piston shaft slide down the discharge area.

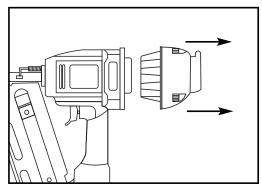
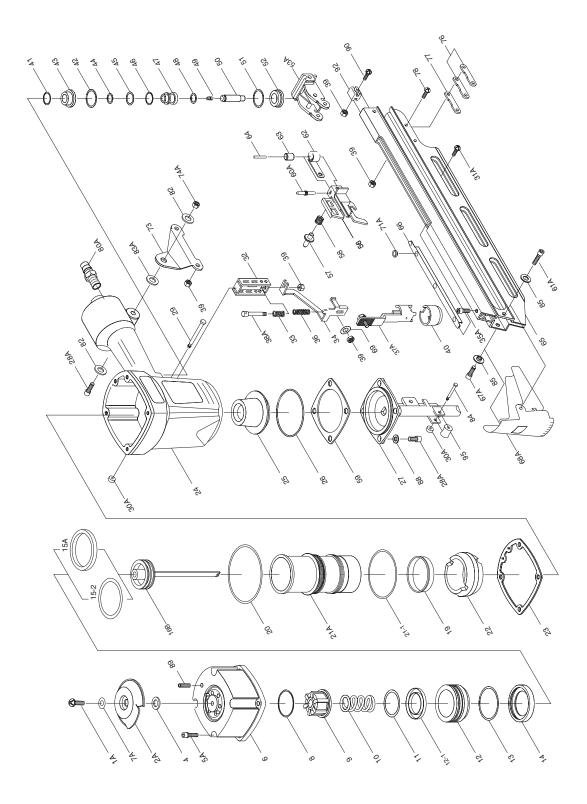


Figure 7. Removing nailer exhaust cap.

- 8. With a long flathead screwdriver or similarly shaped tool, push the piston shaft back inside the nailer until you can grip the piston head and remove it from the cylinder. (Be careful not to scratch the discharge area when pushing the piston shaft with the screwdriver.)
- **9.** Place a new O-ring on the new piston and apply a thin film of the nailer lubricating oil on the O-ring.
- 10. Insert the new piston in the cylinder. Make sure that the grooves on the piston shaft line up with those on the guide at the bottom of the cylinder. The new piston should easily slide into the cylinder. Do not force the piston into the cylinder! If the piston is not easily inserted, double-check the alignment of the piston shaft with the grooves on the guide.
- **11.** After the piston is inserted correctly, close the magazine. Replace the rear cap assembly and tighten the 4 cap screws.
- **12.** For more assistance, or to install a complete O-ring set, refer to the appropriate breakdown diagram in the back of this manual.



REF	PART #	DESCRIPTION
01A	P6048007A	BUTTON HD CAP SCR
02A	P6050002A	EXHAUST COVER
04	P6050004	PU WASHER
05A	P6050005A	CAP SCREW + SW
06	P6050006	CAP
07A	P6044077	FLAT WASHER
08	P6050008	SPACER
09	P6050009	PISTON STOPPER
10	P6050010	SPRING
11	P6050011	O-RING
12	P6050012	PISTON HEAD VALVE
12-1	P6050012-1	SPACER
13	P6050013	O-RING
14	P6050014	SEAL
15-2	P6050015-2	O-RING
15A	P6050015A	OIL-LESS RING ASSY
16B	P6050016B	PISTON ASSEMBLY
19	P6050019	O-RING
20	P6050020	O-RING
21A	P6050021A	CYLINDER
21-1	P6050021-1	O-RING
22	P6050022	UPPER BUMPER
23	P6050023	GASKET
24	P6050024	BODY
25	P6050025	BOTTOM BUMPER
26	P6050026	O-RING
27	P6050027	NOSE
28A	P6050028A	CAP SCREW
29A	P6050029A	STEPPED PIN
30A	P6048030A	PU RING
<u>31A</u>	P6050031A	BUTTON HD CAP SCR
32	P6050032	SAFETY LEVER
33	P6050033	SPRING
34	P6050034	SAFETY LEVER
35A	P6050035A	CAP SCREW
36	P6050036	SPRING
<u>37A</u>	P6050037A	SAFETY LEVER ASSY
<u>38A</u>	P6050038A	SPRING GUIDE
39	P6050039	LOCK NUT
40	P6050040	RUBBER PAD
41	P6050041	O-RING

42       P6050042       PLUNGER         43       P6050043       VALVE         44       P6050044       O-RING         45       P6048045       O-RING         46       P6050046       O-RING         47       P6044047       VALVE PLUNGER         48       P6050048       O-RING         49       P6048049       SPRING         50       P6050050       PLUNGER         51       P6050051       O-RING         52       P6050052       PLUNGER CAP         53       P6050053       TRIGGER ASSY         56       P6050057       STOPPER         57       P6050059       GASKET         60A       P6050060A       SET PIN         61A       P6050061A       CAP SCREW         62       P6050063       ROLLER         64       P6050064       BALL PIN         65       P6050065       MAGAZINE         66       P6050066       NAIL GUIDE LINER         67A       P6050067A       CAP SCREW         68A       P6050067A       CAP SCREW         68A       P6050067A       CAP SCREW         69       P6050071A       INSERT	REF	PART #	DESCRIPTION
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45       P6048045       O-RING         46       P6050046       O-RING         47       P6044047       VALVE PLUNGER         48       P6050048       O-RING         49       P6048049       SPRING         50       P6050050       PLUNGER         51       P6050051       O-RING         52       P6050052       PLUNGER CAP         53       P6050053       TRIGGER ASSY         56       P6050056       PUSHER         57       P6050057       STOPPER         58       P6050059       GASKET         60A       P6050060A       SET PIN         61A       P6050061A       CAP SCREW         62       P6050063       ROLLER         64       P6050064       BALL PIN         65       P6050065       MAGAZINE         66       P6050066       NAIL GUIDE LINER         67A       P6050067A       CAP SCREW         68A       P6050067A       CAP SCREW         68A       P6050073       BRACKET         71A       P6050074       LOCK NUT         76       P6050075       SET PLATE         71A       P6050076       SET	43	P6050043	VALVE
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47       P6044047       VALVE PLUNGER         48       P6050048       O-RING         49       P6048049       SPRING         50       P6050050       PLUNGER         51       P6050052       PLUNGER CAP         53       P6050052       PLUNGER ASSY         56       P6050056       PUSHER         57       P6050057       STOPPER         58       P6050059       GASKET         60A       P6050060A       SET PIN         61A       P6050061A       CAP SCREW         62       P6050063       ROLLER         64       P6050064       BALL PIN         65       P6050065       MAGAZINE         66       P6050066       NAIL GUIDE LINER         67A       P6050067A       CAP SCREW         68A       P6050067A       CAP SCREW         68A       P6050067A       CAP SCREW         69       P6050067       CAP SCREW         69       P6050073       BRACKET         71A       P6050074       LOCK NUT         76       P6050076       SET PLATE         77       P6050076       SET PLATE         77       P6050077	45	P6048045	O-RING
48         P6050048         O-RING           49         P6048049         SPRING           50         P6050050         PLUNGER           51         P6050051         O-RING           52         P6050052         PLUNGER CAP           53         P6050056         PUSHER           57         P6050057         STOPPER           58         P6050059         GASKET           60A         P6050060A         SET PIN           61A         P6050061A         CAP SCREW           62         P6050063         ROLLER           64         P6050064         BALL PIN           65         P6050065         MAGAZINE           66         P6050065         MAGAZINE           66         P6050067A         CAP SCREW           68A         P605007A         CAP SCREW           69         P605007A         CAP SCREW           68A         P605007A         CAP SCREW           69	46	P6050046	O-RING
49       P6048049       SPRING         50       P6050050       PLUNGER         51       P6050051       O-RING         52       P6050052       PLUNGER CAP         53       P6050053       TRIGGER ASSY         56       P6050056       PUSHER         57       P6050057       STOPPER         58       P6050059       GASKET         60A       P6050060A       SET PIN         61A       P6050061A       CAP SCREW         62       P6050063       ROLLER         64       P6050064       BALL PIN         65       P6050065       MAGAZINE         66       P6050065       MAGAZINE         66       P6050066       NAIL GUIDE LINER         67A       P6050067A       CAP SCREW         68A       P6050067A       CAP SCREW         68A       P6050067A       CAP SCREW         68A       P6050073       BRACKET         71A       P6050074       LOCK NUT         76       P6050075       SET PLATE         77       P6050076       SET PLATE         77       P6050078       BUTTON HD CAP SCR         80A       P6050080A <td>47</td> <td>P6044047</td> <td>VALVE PLUNGER</td>	47	P6044047	VALVE PLUNGER
50         P6050050         PLUNGER           51         P6050051         O-RING           52         P6050052         PLUNGER CAP           53         P6050053         TRIGGER ASSY           56         P6050056         PUSHER           57         P6050057         STOPPER           58         P6050059         GASKET           60A         P6050060A         SET PIN           61A         P6050061A         CAP SCREW           62         P6050063         ROLLER           63         P6050064         BALL PIN           64         P6050065         MAGAZINE           66         P6050066         NAIL GUIDE LINER           67A         P6050067A         CAP SCREW           68A         P6050071A         INSERT           73         P6050073         BRACKET           74A         P6050076         SET PLATE           77         P6050078         BUTTON HD CAP SCR	48	P6050048	O-RING
51       P6050051       O-RING         52       P6050052       PLUNGER CAP         53       P6050053       TRIGGER ASSY         56       P6050056       PUSHER         57       P6050057       STOPPER         58       P6050059       GASKET         60A       P6050060A       SET PIN         61A       P6050061A       CAP SCREW         62       P6050063       ROLLER         63       P6050064       BALL PIN         63       P6050065       MAGAZINE         64       P6050066       NAIL GUIDE LINER         65       P6050067A       CAP SCREW         68A       P6050076       SET PLATE         73       P6050076       SET PLATE         74A       P6050077       SET PLATE         77       P6050078       BUTTON HD CAP SCR         80A       <	49	P6048049	SPRING
52         P6050052         PLUNGER CAP           53         P6050053         TRIGGER ASSY           56         P6050056         PUSHER           57         P6050057         STOPPER           58         P6050059         GASKET           60A         P6050060A         SET PIN           61A         P6050061A         CAP SCREW           62         P6050063         ROLLER           63         P6050064         BALL PIN           63         P6050065         MAGAZINE           64         P6050066         NAIL GUIDE LINER           65         P6050067A         CAP SCREW           68A         P6050073         BRACKET           71A         P6050076         SET PLATE           73         P6050076         SET PLATE           74         P6050078         BUTTON HD CAP SCR <td>50</td> <td>P6050050</td> <td>PLUNGER</td>	50	P6050050	PLUNGER
53       P6050053       TRIGGER ASSY         56       P6050056       PUSHER         57       P6050057       STOPPER         58       P6050059       GASKET         60A       P6050060A       SET PIN         61A       P6050061A       CAP SCREW         62       P6050063       ROLLER         63       P6050064       BALL PIN         64       P6050065       MAGAZINE         66       P6050066       NAIL GUIDE LINER         67A       P6050067A       CAP SCREW         68A       P6050067A       CAP SCREW         69       P6050071A       INSERT         73       P6050073       BRACKET         74A       P6050076       SET PLATE         77       P6050077       SET PLATE         78       P6050078       BUTTON HD CAP SCR         80A       P6050080A       AIR PLUG         82       P6050082       FLAT WASHER         83A <td< td=""><td>51</td><td>P6050051</td><td>O-RING</td></td<>	51	P6050051	O-RING
56         P6050056         PUSHER           57         P6050057         STOPPER           58         P6050058         SPRING           59         P6050059         GASKET           60A         P6050060A         SET PIN           61A         P6050061A         CAP SCREW           62         P6050078         SPIRAL SPRING           63         P6050063         ROLLER           64         P6050065         MAGAZINE           66         P6050066         NAIL GUIDE LINER           67A         P6050067A         CAP SCREW           68A         P6050067A         CAP SCREW           68A         P6050067A         CAP SCREW           68A         P6050067A         CAP SCREW           68A         P6050067A         CAP SCREW           69         P6050073         BRACKET           71A         P6050071A         INSERT           73         P6050073         BRACKET           74A         P6050076         SET PLATE           77         P6050077         SET PLATE           78         P6050078         BUTTON HD CAP SCR           80A         P6050080A         AIR PLUG <tr< td=""><td>52</td><td>P6050052</td><td>PLUNGER CAP</td></tr<>	52	P6050052	PLUNGER CAP
57       P6050057       STOPPER         58       P6050058       SPRING         59       P6050059       GASKET         60A       P6050060A       SET PIN         61A       P6050061A       CAP SCREW         62       P6050078       SPIRAL SPRING         63       P6050063       ROLLER         64       P6050064       BALL PIN         65       P6050065       MAGAZINE         66       P6050066       NAIL GUIDE LINER         67A       P6050067A       CAP SCREW         68A       P6050076       SETRIN         71A       P6050071A       INSERT         73       P6050076       SET PLATE         74       P6050076       SET PLATE         75       P6050077       SET PLATE         76       P6050078       BUTTON HD CAP SCR         80A       P6050080A       AIR PLUG         82       P6050082       FLAT WASHER         83A	53	P6050053	TRIGGER ASSY
58         P6050058         SPRING           59         P6050059         GASKET           60A         P6050060A         SET PIN           61A         P6050061A         CAP SCREW           62         P6050078         SPIRAL SPRING           63         P6050063         ROLLER           64         P6050064         BALL PIN           65         P6050065         MAGAZINE           66         P6050066         NAIL GUIDE LINER           67A         P6050067A         CAP SCREW           68A         P6050067A         CAP SCREW           68A         P6050067A         CAP SCREW           68A         P6050073         BRACKET           71A         P6050071A         INSERT           73         P6050073         BRACKET           74A         P6050076         SET PLATE           77         P6050077         SET PLATE           78         P6050078         BUTTON HD CAP SCR           80A         P6050080A         AIR PLUG           82         P6050083         GASKET WASHER           83A         P6050084         STEPPED PIN           85         P6050085         SPACER	56	P6050056	PUSHER
59         P6050059         GASKET           60A         P6050060A         SET PIN           61A         P6050061A         CAP SCREW           62         P6050078         SPIRAL SPRING           63         P6050063         ROLLER           64         P6050064         BALL PIN           65         P6050065         MAGAZINE           66         P6050066         NAIL GUIDE LINER           67A         P6050067A         CAP SCREW           68A         P6050067A         CAP SCREW           68A         P6050067A         CAP SCREW           69         P6050069         FLAT WASHER           71A         P6050071A         INSERT           73         P6050073         BRACKET           74A         P6050076         SET PLATE           77         P6050077         SET PLATE           78         P6050078         BUTTON HD CAP SCR           80A         P6050080A         AIR PLUG           82         P6050083A         GASKET WASHER           83A         P6050084         STEPPED PIN           85         P6050085         SPACER           84         P6050085         SPACER <td>57</td> <td>P6050057</td> <td>STOPPER</td>	57	P6050057	STOPPER
60A         P6050060A         SET PIN           61A         P6050061A         CAP SCREW           62         P6050078         SPIRAL SPRING           63         P6050063         ROLLER           64         P6050064         BALL PIN           65         P6050065         MAGAZINE           66         P6050067A         CAP SCREW           68A         P605007A         CAP SCREW           68A         P605007A         CAP SCREW           69         P6050073         BRACKET           71A         P6050076         SET PLATE           73         P6050076         SET PLATE           74         P6050077         SET PLATE           77         P6050078         BUTTON HD CAP SCR           80A         P6050080A         AIR PLUG           82         P6050083         GASKET WASHER           83A         P6050084         STEPPED PIN	58	P6050058	SPRING
61A         P6050061A         CAP SCREW           62         P6050078         SPIRAL SPRING           63         P6050063         ROLLER           64         P6050064         BALL PIN           65         P6050065         MAGAZINE           66         P6050066         NAIL GUIDE LINER           67A         P6050067A         CAP SCREW           68A         P6050069         FLAT WASHER           71A         P6050071A         INSERT           73         P6050073         BRACKET           74A         P6050076         SET PLATE           77         P6050076         SET PLATE           77         P6050077         SET PLATE           78         P6050080         AIR PLUG           82         P6050080         AIR PLUG           82         P6050083         GASKET WASHER           83A         P6050084         STEPPED PIN           85         P6050085         SPACER           88         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	59	P6050059	GASKET
62         P6050078         SPIRAL SPRING           63         P6050063         ROLLER           64         P6050064         BALL PIN           65         P6050065         MAGAZINE           66         P6050066         NAIL GUIDE LINER           67A         P6050067A         CAP SCREW           68A         P6050069A         DEBRIS SHIELD           69         P6050071A         INSERT           73         P6050073         BRACKET           74A         P6050076         SET PLATE           77         P6050076         SET PLATE           78         P6050078         BUTTON HD CAP SCR           80A         P6050080A         AIR PLUG           82         P6050080A         AIR PLUG           82         P6050083A         GASKET WASHER           83A         P6050084         STEPPED PIN           85         P6050085         SPACER           88         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	60A	P6050060A	SET PIN
63       P6050063       ROLLER         64       P6050064       BALL PIN         65       P6050065       MAGAZINE         66       P6050066       NAIL GUIDE LINER         67A       P6050067A       CAP SCREW         68A       P6050069       FLAT WASHER         71A       P6050071A       INSERT         73       P6050074       LOCK NUT         76       P6050076       SET PLATE         77       P6050077       SET PLATE         78       P6050078       BUTTON HD CAP SCR         80A       P6050080A       AIR PLUG         82       P6050080       AIR PLUG         83A       P6050083A       GASKET WASHER         84       P6050084       STEPPED PIN         85       P6050085       SPACER         88       P6050088       SPRING WASHER         90       P6050090       BRACKET         92A       P6044077       FLAT WASHER	61A	P6050061A	CAP SCREW
64         P6050064         BALL PIN           65         P6050065         MAGAZINE           66         P6050066         NAIL GUIDE LINER           67A         P6050067A         CAP SCREW           68A         P6050069A         DEBRIS SHIELD           69         P6050069         FLAT WASHER           71A         P6050071A         INSERT           73         P6050073         BRACKET           74A         P6050076         SET PLATE           77         P6050077         SET PLATE           78         P6050078         BUTTON HD CAP SCR           80A         P6050080A         AIR PLUG           82         P6050082         FLAT WASHER           83A         P6050083A         GASKET WASHER           84         P6050084         STEPPED PIN           85         P6050085         SPACER           88         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	62	P6050078	SPIRAL SPRING
65         P6050065         MAGAZINE           66         P6050066         NAIL GUIDE LINER           67A         P6050067A         CAP SCREW           68A         P6050068A         DEBRIS SHIELD           69         P6050069         FLAT WASHER           71A         P6050071A         INSERT           73         P6050073         BRACKET           74A         P6050076         SET PLATE           77         P6050076         SET PLATE           78         P6050077         SET PLATE           78         P6050078         BUTTON HD CAP SCR           80A         P6050080A         AIR PLUG           82         P6050082         FLAT WASHER           83A         P6050084         STEPPED PIN           85         P6050085         SPACER           84         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	63	P6050063	ROLLER
66         P6050066         NAIL GUIDE LINER           67A         P6050067A         CAP SCREW           68A         P6050068A         DEBRIS SHIELD           69         P6050069         FLAT WASHER           71A         P6050071A         INSERT           73         P6050073         BRACKET           74A         P6050074A         LOCK NUT           76         P6050076         SET PLATE           77         P6050077         SET PLATE           78         P6050078         BUTTON HD CAP SCR           80A         P6050080A         AIR PLUG           82         P6050082         FLAT WASHER           83A         P6050083A         GASKET WASHER           84         P6050084         STEPPED PIN           85         P6050085         SPACER           88         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	64	P6050064	BALL PIN
67A         P6050067A         CAP SCREW           68A         P6050068A         DEBRIS SHIELD           69         P6050069         FLAT WASHER           71A         P6050071A         INSERT           73         P6050073         BRACKET           74A         P6050074A         LOCK NUT           76         P6050076         SET PLATE           77         P6050077         SET PLATE           78         P6050078         BUTTON HD CAP SCR           80A         P6050080A         AIR PLUG           82         P6050082         FLAT WASHER           83A         P6050083A         GASKET WASHER           84         P6050084         STEPPED PIN           85         P6050085         SPACER           88         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	65	P6050065	MAGAZINE
68A         P6050068A         DEBRIS SHIELD           69         P6050069         FLAT WASHER           71A         P6050071A         INSERT           73         P6050073         BRACKET           74A         P6050074A         LOCK NUT           76         P6050076         SET PLATE           77         P6050077         SET PLATE           78         P6050078         BUTTON HD CAP SCR           80A         P6050080A         AIR PLUG           82         P6050082         FLAT WASHER           83A         P6050083A         GASKET WASHER           84         P6050084         STEPPED PIN           85         P6050085         SPACER           88         P6050090         BRACKET           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	66	P6050066	NAIL GUIDE LINER
69         P6050069         FLAT WASHER           71A         P6050071A         INSERT           73         P6050073         BRACKET           74A         P6050074A         LOCK NUT           76         P6050076         SET PLATE           77         P6050077         SET PLATE           78         P6050078         BUTTON HD CAP SCR           80A         P6050080A         AIR PLUG           82         P6050082         FLAT WASHER           83A         P6050083A         GASKET WASHER           84         P6050084         STEPPED PIN           85         P6050085         SPACER           88         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	67A	P6050067A	CAP SCREW
71A         P6050071A         INSERT           73         P6050073         BRACKET           74A         P6050074A         LOCK NUT           76         P6050076         SET PLATE           77         P6050077         SET PLATE           78         P6050078         BUTTON HD CAP SCR           80A         P6050080A         AIR PLUG           82         P6050082         FLAT WASHER           83A         P6050083A         GASKET WASHER           84         P6050084         STEPPED PIN           85         P6050088         SPACER           88         P6050090         BRACKET           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	68A	P6050068A	DEBRIS SHIELD
73       P6050073       BRACKET         74A       P6050074A       LOCK NUT         76       P6050076       SET PLATE         77       P6050077       SET PLATE         78       P6050078       BUTTON HD CAP SCR         80A       P6050080A       AIR PLUG         82       P6050082       FLAT WASHER         83A       P6050083A       GASKET WASHER         84       P6050084       STEPPED PIN         85       P6050085       SPACER         88       P6050090       BRACKET         90       P6050090       BRACKET         92A       P6044077       FLAT WASHER	69	P6050069	FLAT WASHER
74A         P6050074A         LOCK NUT           76         P6050076         SET PLATE           77         P6050077         SET PLATE           78         P6050078         BUTTON HD CAP SCR           80A         P6050080A         AIR PLUG           82         P6050082         FLAT WASHER           83A         P6050083A         GASKET WASHER           84         P6050085         SPACER           85         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	71A	P6050071A	INSERT
76         P6050076         SET PLATE           77         P6050077         SET PLATE           78         P6050078         BUTTON HD CAP SCR           80A         P6050080A         AIR PLUG           82         P6050082         FLAT WASHER           83A         P6050083A         GASKET WASHER           84         P6050085         SPACER           85         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	73	P6050073	BRACKET
77         P6050077         SET PLATE           78         P6050078         BUTTON HD CAP SCR           80A         P6050080A         AIR PLUG           82         P6050082         FLAT WASHER           83A         P6050083A         GASKET WASHER           84         P6050085         SPACER           88         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	74A	P6050074A	LOCK NUT
78         P6050078         BUTTON HD CAP SCR           80A         P6050080A         AIR PLUG           82         P6050082         FLAT WASHER           83A         P6050083A         GASKET WASHER           84         P6050084         STEPPED PIN           85         P6050085         SPACER           88         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	76	P6050076	SET PLATE
80A         P6050080A         AIR PLUG           82         P6050082         FLAT WASHER           83A         P6050083A         GASKET WASHER           84         P6050084         STEPPED PIN           85         P6050085         SPACER           88         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	77	P6050077	SET PLATE
82         P6050082         FLAT WASHER           83A         P6050083A         GASKET WASHER           84         P6050084         STEPPED PIN           85         P6050085         SPACER           88         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	78	P6050078	BUTTON HD CAP SCR
83A         P6050083A         GASKET WASHER           84         P6050084         STEPPED PIN           85         P6050085         SPACER           88         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	80A	P6050080A	AIR PLUG
84         P6050084         STEPPED PIN           85         P6050085         SPACER           88         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	82	P6050082	FLAT WASHER
85         P6050085         SPACER           88         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	83A	P6050083A	GASKET WASHER
88         P6050088         SPRING WASHER           90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	84	P6050084	STEPPED PIN
90         P6050090         BRACKET           92A         P6044077         FLAT WASHER	85	P6050085	SPACER
92A P6044077 FLAT WASHER	88	P6050088	SPRING WASHER
	90	P6050090	BRACKET
	92A	P6044077	FLAT WASHER
BO FOUDUUSS   RUBBER PAD	93	P6050093	RUBBER PAD

## TROUBLESHOOTING

PROBLEM	CAUSE	ACTION
Air leaking at trigger valve area.	1. O-rings in trigger valve housing are damaged.	<ol> <li>O-rings must be replaced &amp; operation of safety yoke must be checked.</li> </ol>
Air leaking between hous- ing and hose.	<ol> <li>Loose screws in housing.</li> <li>Damaged O-ring.</li> <li>Loose air fitting.</li> </ol>	<ol> <li>Tighten screws.</li> <li>Replace O-ring.</li> <li>Tighten air fitting.</li> </ol>
Air leaking between hous- ing and cap assembly.	1. Damaged seal.	1. Replace damaged seals.
Tool skips nails while dis- charging.	<ol> <li>Air leaks.</li> <li>Dirt in nose.</li> <li>Dirt or damage prevents nails from moving freely in magazine.</li> <li>Inadequate air flow to tool.</li> <li>Worn O-ring on piston or lack of lubrication.</li> <li>Damaged O-rings on trigger valve.</li> <li>Worn bumper.</li> <li>Cap seal leaking.</li> </ol>	<ol> <li>Tighten screws and fit- tings.</li> <li>Clean nose.</li> <li>Clean magazine and inspect/repair damage.</li> <li>Check fitting, hose, com- pressor &amp; air pressure.</li> <li>Replace piston O-ring. Lubricate.</li> <li>Replace trigger valve O- rings.</li> <li>Replace bumper.</li> <li>Replace cap seal.</li> </ol>
Tool runs slowly or has a loss of power.	<ol> <li>Nailer is not sufficiently lubri- cated.</li> <li>Broken spring in cap assembly.</li> <li>Exhaust port in cap is blocked.</li> </ol>	<ol> <li>Lubricate nailer.</li> <li>Replace spring.</li> <li>Clean or replace damaged internal parts.</li> </ol>
Fasteners frequently jam the nailer.	<ol> <li>Nails are the wrong size.</li> <li>Nails are bent.</li> <li>Magazine or nose screws are loose.</li> <li>Driver or driver guide are worn or damaged.</li> <li>Nails are wrong angle.</li> </ol>	<ol> <li>Use correct nails.</li> <li>Use undamaged nails.</li> <li>Tighten magazine and nose screws.</li> <li>Replace worn or dam- aged parts.</li> <li>Use correct angle nails.</li> </ol>
Nailer does not fire.	<ol> <li>Nail is jammed in maga- zine or discharge area.</li> <li>Piston shaft is damaged.</li> <li>Air pressure too low.</li> </ol>	<ol> <li>Clear nailer magazine or discharge area.</li> <li>Replace piston shaft.</li> <li>Check/increase air pres- sure.</li> </ol>

## WARRANTY AND RETURNS

Grizzly Industrial, Inc. warrants every product it sells for a period of **1 year** to the original purchaser from the date of purchase. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs or alterations or lack of maintenance. This is Grizzly's sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall Grizzly's liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Grizzly shall be tried in the State of Washington, County of Whatcom.

We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special, or consequential damages arising from the use of our products.

To take advantage of this warranty, contact us by mail or phone and give us all the details. We will then issue you a "Return Authorization Number," which must be clearly posted on the outside as well as the inside of the carton. We will not accept any item back without this number. Proof of purchase must accompany the merchandise.

The manufacturers reserve the right to change specifications at any time because they constantly strive to achieve better quality equipment. We make every effort to ensure that our products meet high quality and durability standards and we hope you never need to use this warranty.

Please feel free to write or call us if you have any questions about the machine or the manual.

> Grizzly Industrial, Inc. 1203 Lycoming Mall Circle Muncy, PA 17756 Phone: (570) 546-9663 Fax: (800) 438-5901

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Web Site: http://www.grizzly.com

Thank you again for your business and continued support. We hope to serve you again soon!

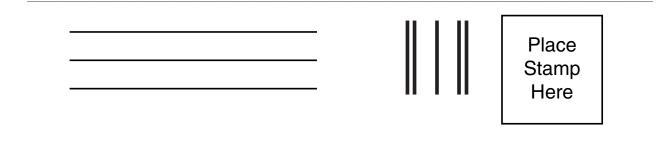
### WARRANTY CARD

Name		
City	State	Zip
Phone Number	E-Mail	FAX
		Order #
		basis. It will be used for marketing purposes to help se, all information is strictly confidential.
1. How did you learn ab Advertisement	Friend	<ol> <li>How many of the machines checked above are Grizzly?</li> </ol>
Catalog World Wide Web	Card Deck	10. Which portable/hand held power tools do you own?
Other		Check all that apply.
0 What is your appual h	aucobald income?	Belt SanderOrbital Sander Biscuit Joiner Palm Sander
2. What is your annual h	10Usenoid Income? \$60,000-\$69,999	Circular Saw Portable Planer
\$30,000-\$29,999		Oreal SanderSaber Saw
\$40,000-\$49,999		Drill/DriverReciprocating Saw
\$50,000-\$59,999	\$90,000 +	Miter SawRouter
		Other
3. What is your age grou	.p?	
20-29	50-59	11. What machines/supplies would you like Grizzly Industrial to carry?
30-39	60-69	industrial to carry:
40-49	70 +	
4. How long have you be	een a woodworker?	
0 - 2 Years 2 - 8 Years		
2 - 8 Years	20+ Years	10 What now appropriate would you like Orizzh
5. How would you rank y		12. What new accessories would you like Grizzly Industrial to carry?
Simple	Master Craftsman	
<ol><li>What stationary wood Check all that apply.</li></ol>	working tools do you own?	
Air Compressor	Panel Saw	13. What other companies do you purchase your tools and supplies from?
Band Saw	Planer	and supplies non?
Drill Press Drum Sander	Power Feeder Radial Arm Saw	
Dust Collector	Shaper	
Spindle Sander	Jointer	
Table Saw	Lathe	14. Do you think your purchase represents good value?
Mortiser	Wide Belt Sander	YesNo
Horiz.Boring Mach		15. Would you recommend Grizzly to a friend?
Vacuum Veneer F		Yes No
Other		
7. How many of your w Grizzly?	roodworking machines are	16. Would you allow us to use your name as a reference for Grizzly customers in your area? Note: We never use names more than three times.
8. Which benchtop tools that apply.	s do you own? Check all	YesNo
1"x42" Belt Sande	er6" - 8" Grinder	17.Comments:
5" - 8" Drill Press		
8" Table Saw	8" - 10" Bandsaw	
Scroll Saw Spindle/Belt Sand	Disc/Belt Sander	
10"-12"Thickness Other		

Send a Grizzly Catalog to a friend:

Name		
Street		
City	State	Zip

FOLD ALONG DOTTED LINE





GRIZZLY INDUSTRIAL, INC. P.O. BOX 2069 BELLINGHAM, WA 98227-2069

TAPE ALONG EDGES--PLEASE DO NOT NAIL